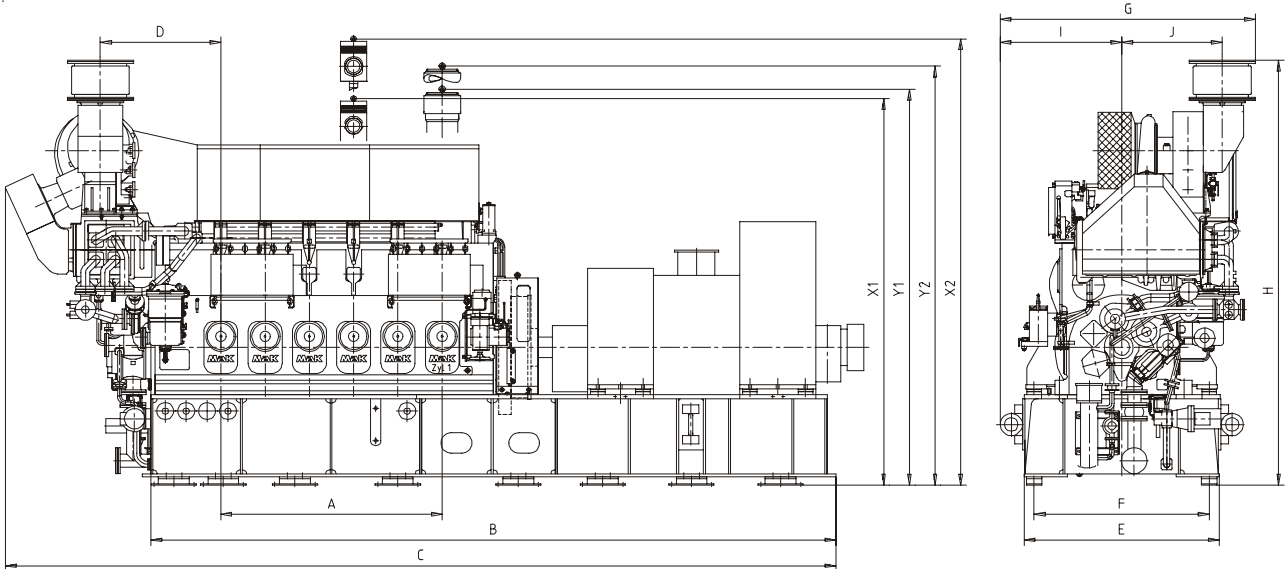


6. Genset dimensions and weights



	Dimensions [mm]										Dry weight	
	A	B	C	D	E	F	G	H	I	J	Engine	Genset ¹⁾
											[t]	[t]
6 M 25	2150	6735	8070	1170	1900	1700	2479	4134	1180	977	22	44
8 M 25	3010	7715	9130				2534	4229			27	49
9 M 25	3440	8045	9460				30	54				

* Dependent on generator make/type

Removal of:

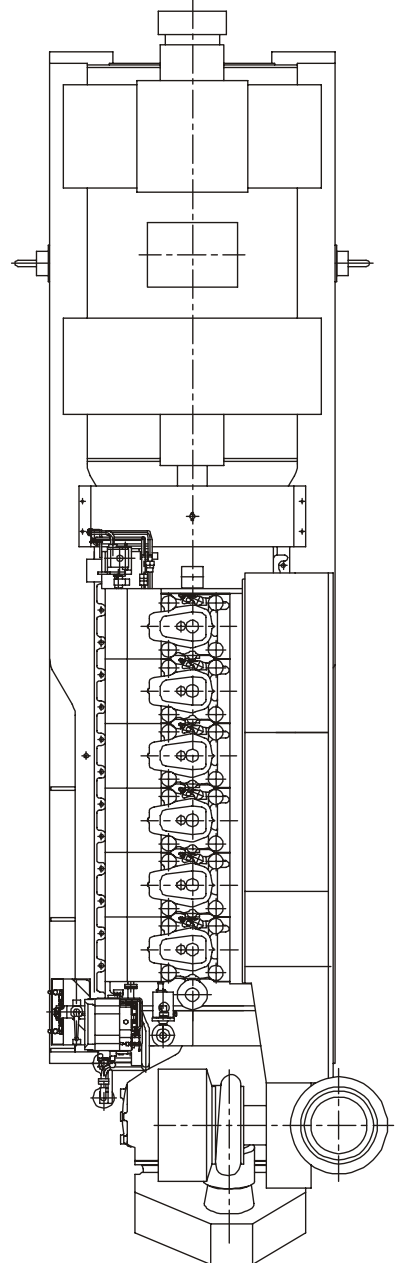
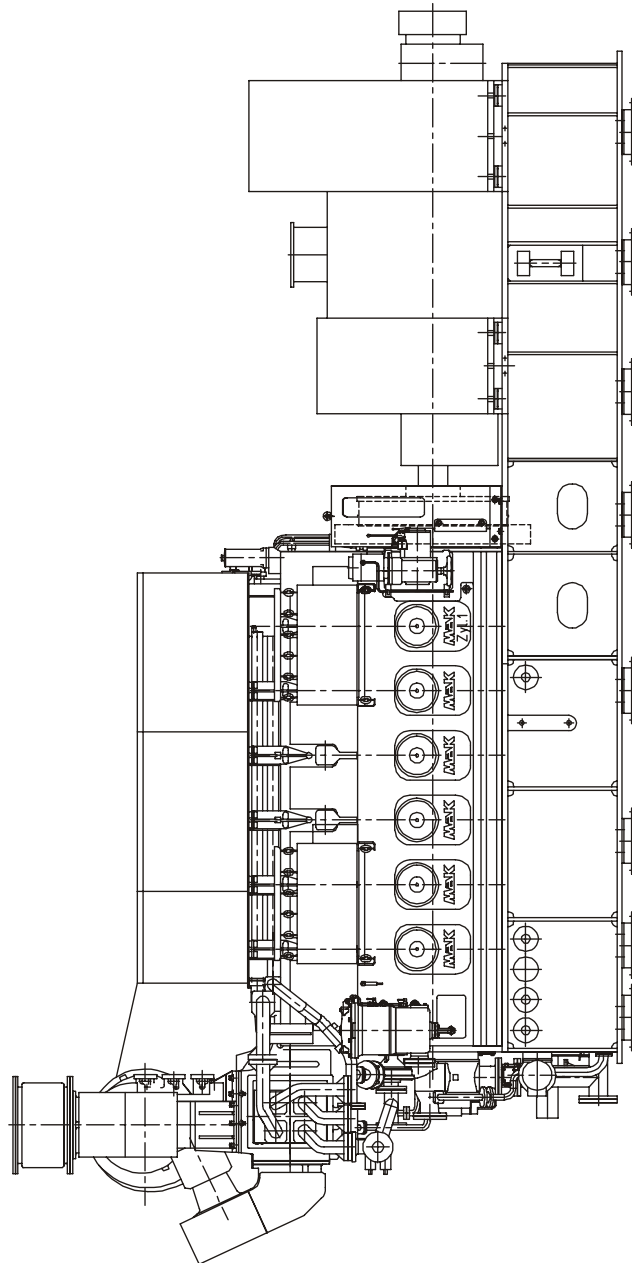
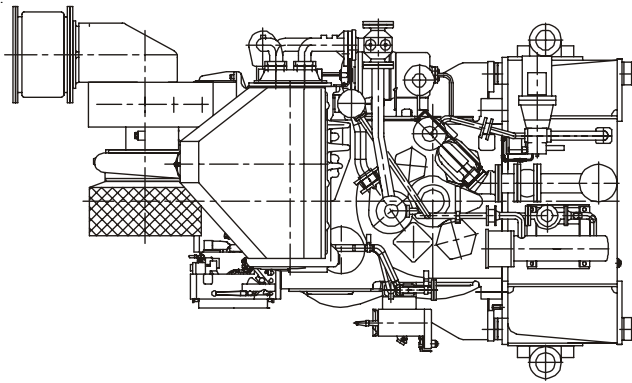
Piston in transverse direction X1 = 3.760 mm
 in longitudinal direction X2 = 4.340 mm
 in transverse dir. reduced X1 red. = 3.640 mm

Cylinder Liner in transverse direction Y1 = 3.850 mm
 in longitudinal direction Y2 = 4.075 mm
 in transverse dir. reduced Y1 red = 3.640 mm

Reduced removal height with special tools only.

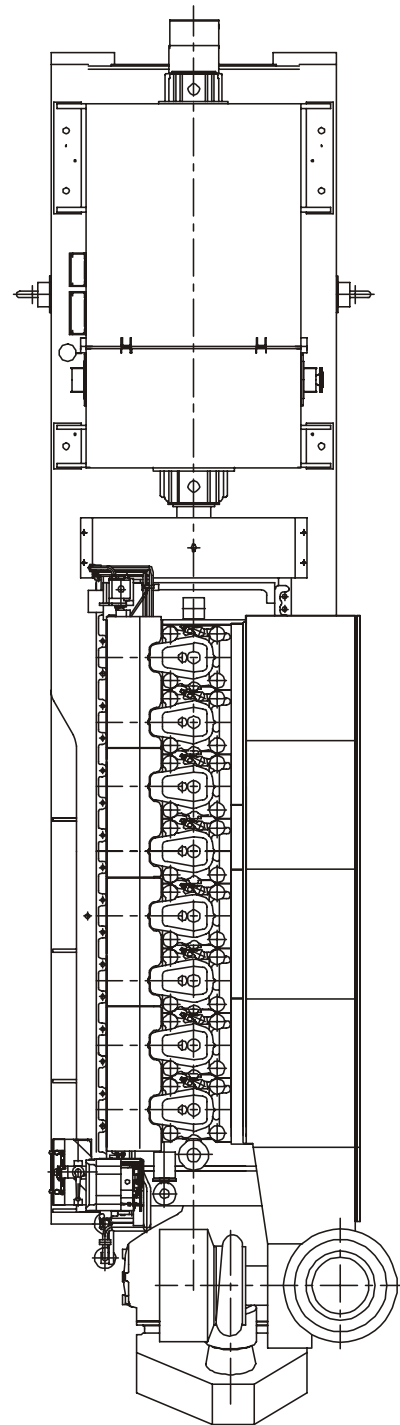
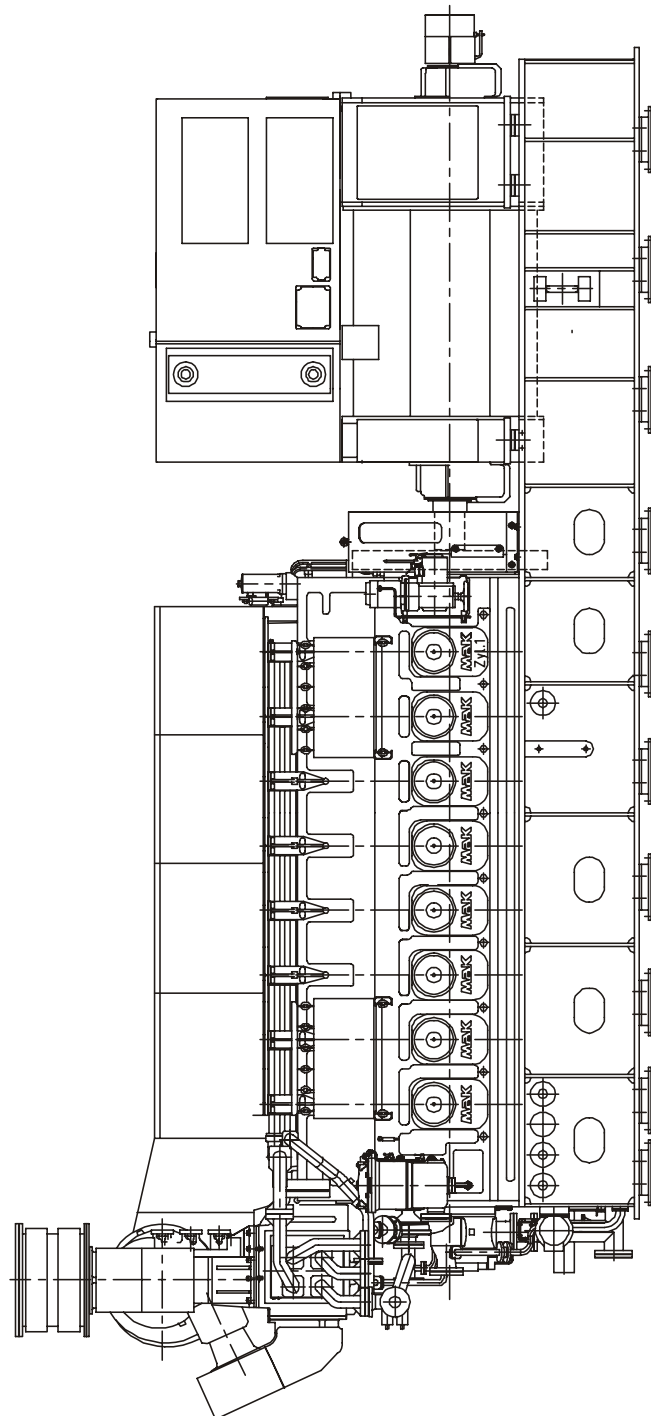
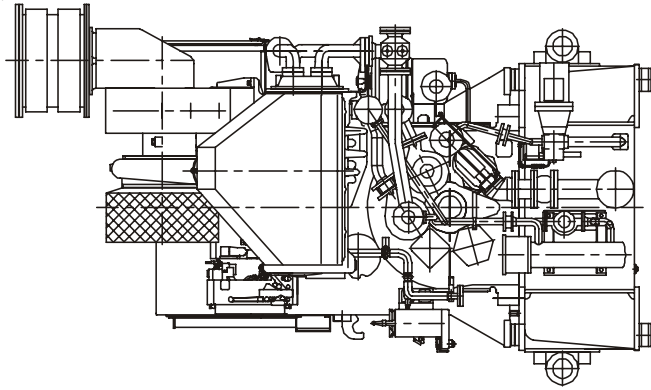
Genset centre distance Minimum 2.700 mm (2 gensets side by side)

6. Genset dimensions 6 M 25



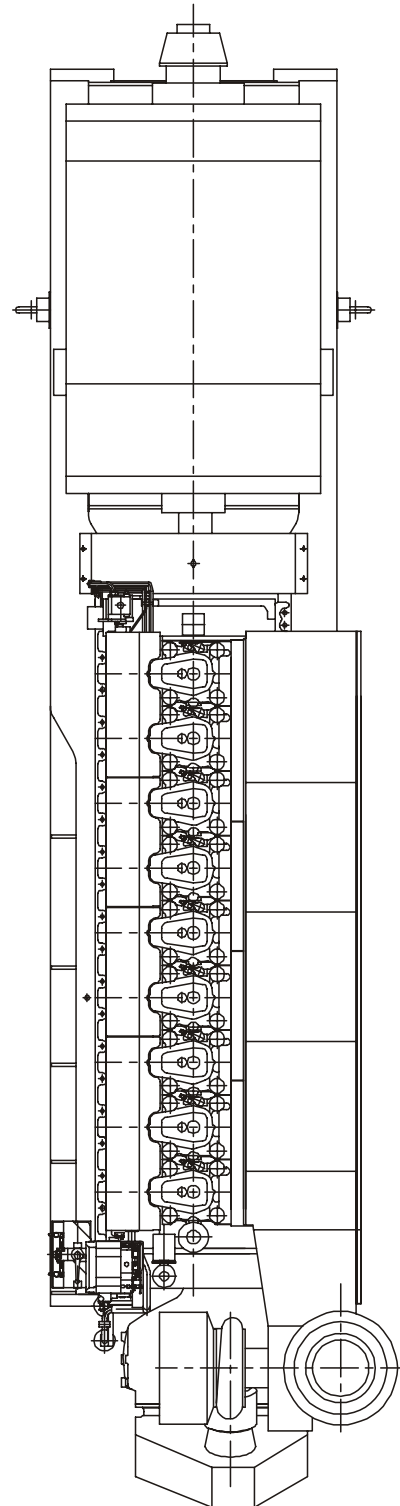
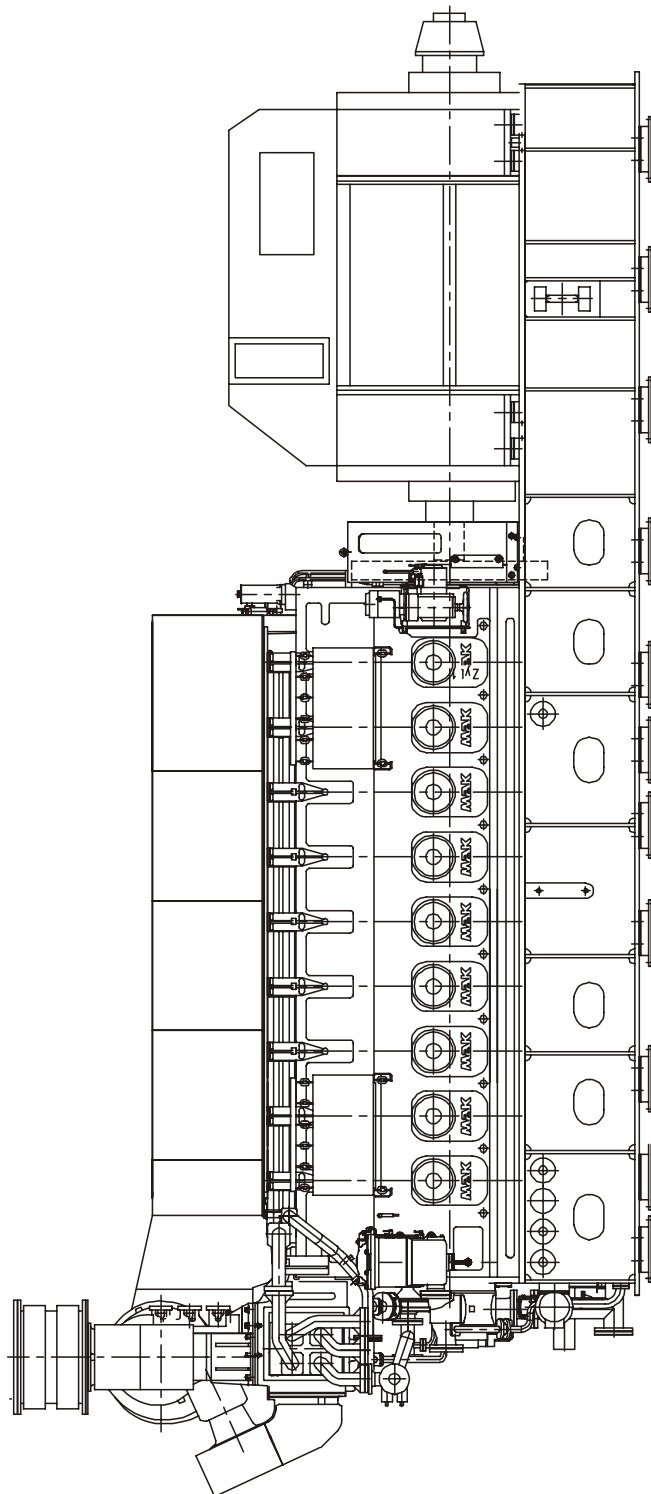
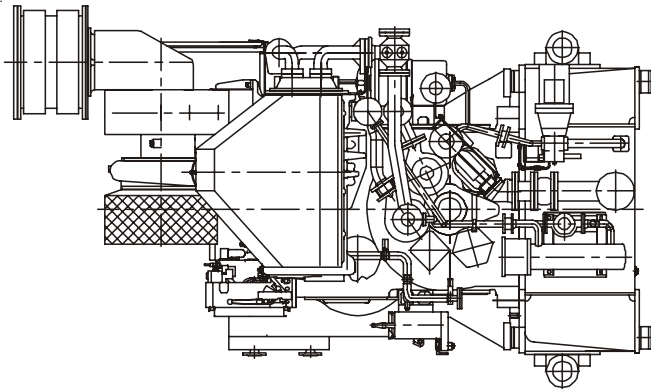
SCALE 1 : 50

6. Genset dimensions 8 M 25



SCALE 1 : 50

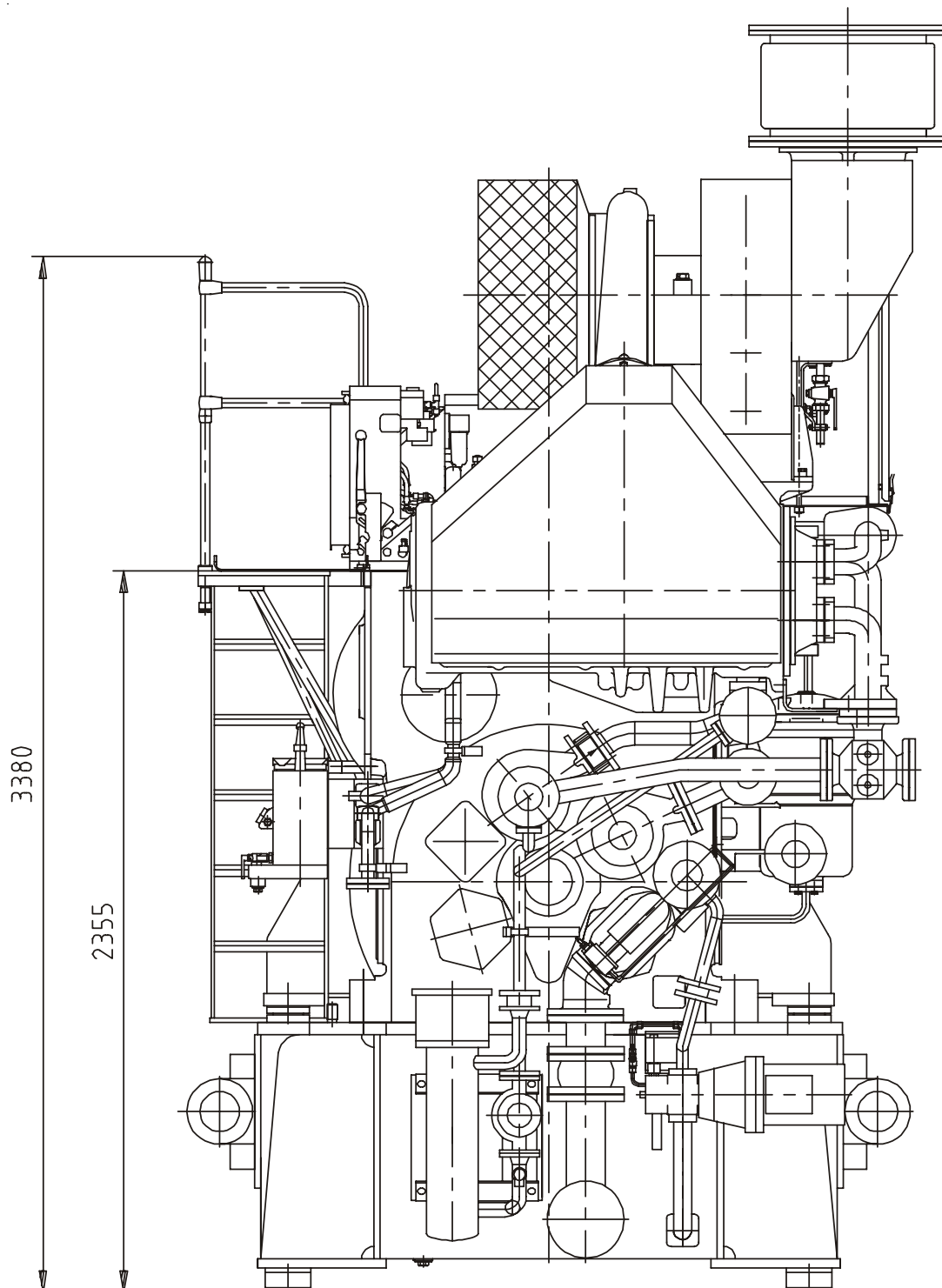
6. Genset dimensions 9 M 25



SCALE 1 : 50

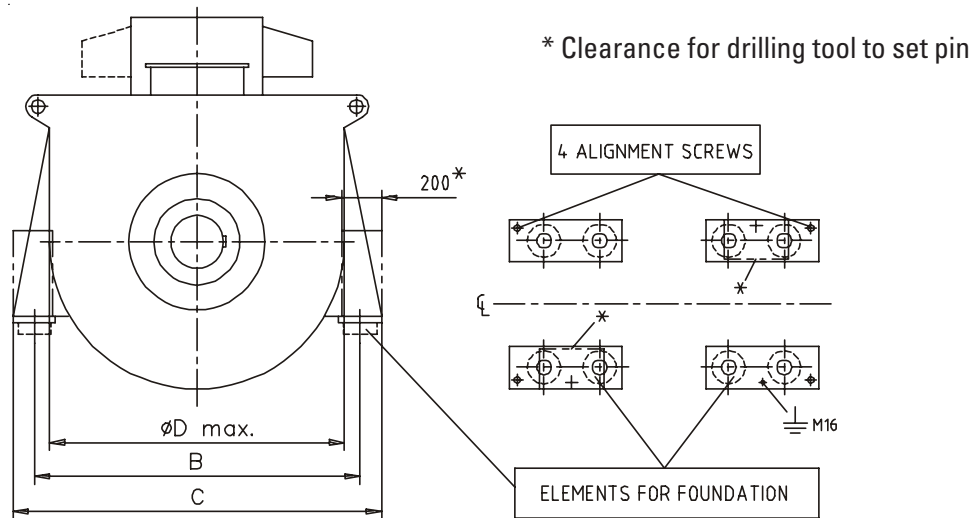
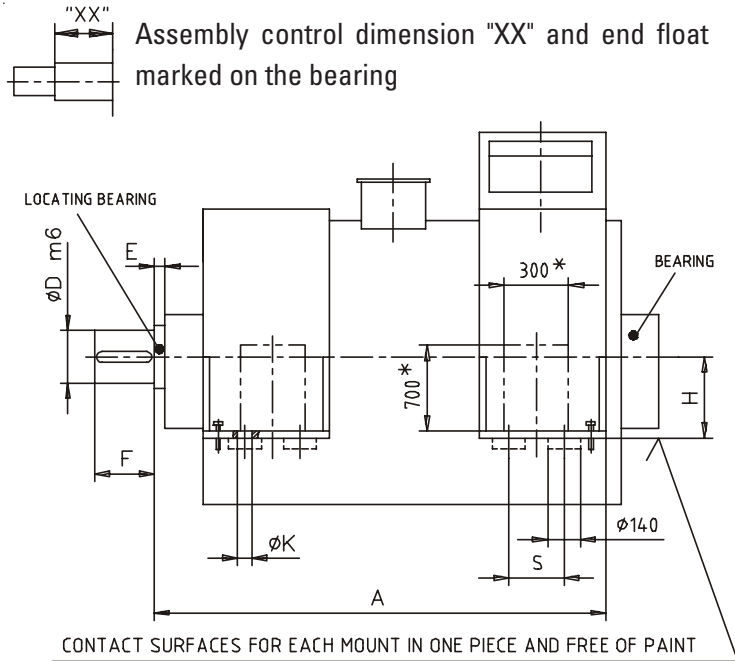
7. Maintenance platform (option)

The platform, located at the control side of the genset, is normally designed and manufactured by the shipyard. As an option Caterpillar Motoren can supply a platform including stairs and ladder.



8. Required dimensions of generator

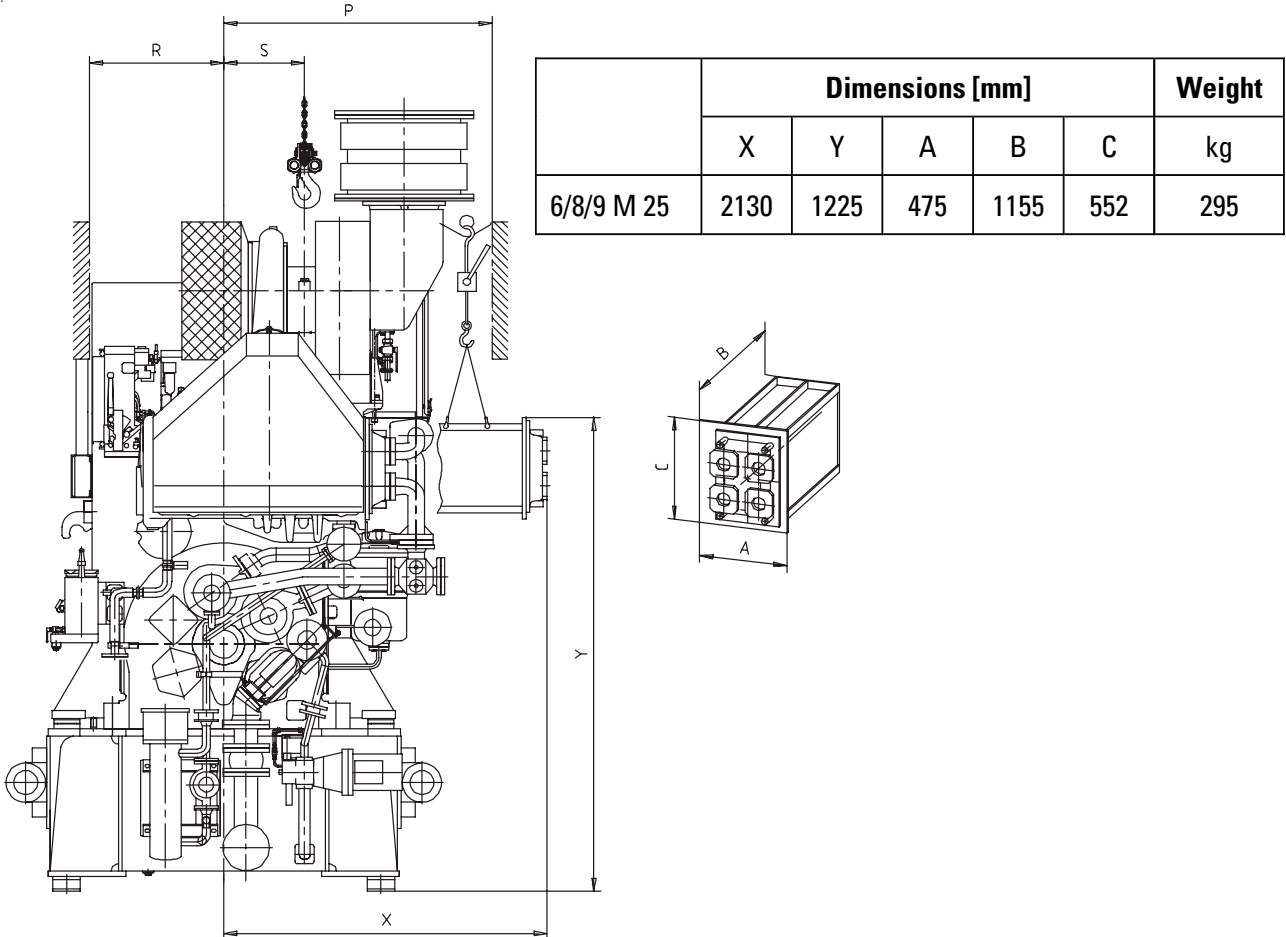
Generators structural requirements for MaK diesel gensets M 25



- Mounting flap for anti-condensation heater is required above the mounts
- With air cooling the air outlet is required above the mounts
- The mounts are to be designed with 4 alignment screws (l = 200)
- Plain bearings must be removable without coupling removal

Type	Design	A max.	B	C	ϕD max.	E min.	F	H	ϕD	ϕK	S min.
6 M 25	B 20	2700	1700	1860	1500	100	250	405	200	45	220
8 M 25		2900									
9 M 25		3000									

9. Space requirement for dismantling of charge air cooler and turbocharger cartridge



Charge air cooler cleaning

Cleaning is carried out with charge air cooler dismantled. A container to receive the cooler and cleaning liquid is to be supplied by the **yard**. Intensive cleaning is achieved by using ultra sonic vibrators.

Turbocharger Removal/Maintenance

Caterpillar Motoren recommends to provide a lifting device above the bearing housing of the turbocharger (see "S").

Weights of Turbocharger [kg]						Dimensions [mm]			
Turbo-charger, compl.	Silencer	Compressor housing	Turbine inlet housing	Exhaust-gas elbow	Car-tridge	Rotor	P	R	S
563	63	136	125	68	150	32	1454	729	437